

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0017 Mossdale**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0017 Mossdale**

Waterway			Bank	Unit Miles
Unit No. 01 French Camp Slough			Left	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>1</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0017_01_s_2013_1				
Comment Code					
Inspector Comment					
LMA has a copy of the manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>2</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0017_01_s_2013_2				
Comment Code					
Inspector Comment					
LMA has adequate flood fight supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0017_01_s_2013_3				
Comment Code					
Inspector Comment					
District staff are involved in yearly training sponsored by DWR.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	10
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.911248 °	37.915968 °
				-121.291064 °	-121.320733 °
DWR ID	DWR_RD0017_01_s_2017_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0017\_303\_10\_20170330\_00016.jpg



Looking south at typical view of landward slope.

LM Start	0.00	Rating **	A	Issue No.	11
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.911248 °	37.915968 °
				-121.291064 °	-121.320733 °
DWR ID	DWR_RD0017_01_s_2017_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0017\_303\_11\_20170330\_00017.jpg



Looking southeast at typical view of waterward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	12
LM End	0.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40603					
DS_ID:1					
EP_NO: 6623					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Marker missing on landward side. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 5-inch diameter welded steel natural gas pipeline through the levees, 4.5 feet below the crown, across the channels and overflow area. (Permit No. 6623-1969)					
FS Date: 2/3/2010					

LM Start	<b>0.03</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>0.03</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_40603\_38480.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2017\_40603\_38479.jpg



View of levee crown at crossing. Marker for line visible on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	12 (cont)	
LM End	0.03	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.911561 °		37.911561 °
				-121.291441 °		-121.291441 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40603 DS_ID:1 EP_NO: 6623 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Marker missing on landward side. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 5-inch diameter welded steel natural gas pipeline through the levees, 4.5 feet below the crown, across the channels and overflow area. (Permit No. 6623-1969) FS Date: 2/3/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40603\_38478.jpg



View of landward side.

LM Start	0.15	Rating **	U	Issue No.	13
LM End	0.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49990 DS_ID:72 EP_NO: 15185 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 7/12/2016 No markers (no photos taken in 2016). Need to contact owner to determine status of crossing. If crossing is active, owner will need to coordinate with CVFPB to install markers to comply with Title 23. (DWR UCIP - omagana)5/19/2015 Need to install gasline markers. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 8-inch soil proofed steel gas main through the left bank levee and under the channel of French Camp Slough. The pipeline has a minimum cover of 20 to 25 feet within the overflow areas and under the channel. (Permit No. 15185, 1989 - Pacific Gas & Electric Company [PG&E]) FS Date: 7/12/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_49990\_74222.jpg



Gas access lid in sidewalk Approximately 200-feet to west of crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

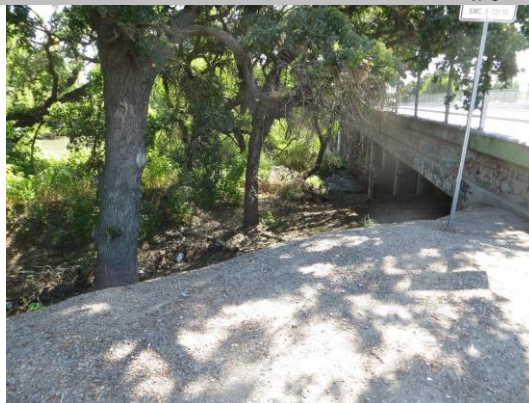
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.15	Rating **	U	Issue No.	13 (cont)
LM End	0.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49990 DS_ID:72 EP_NO: 15185 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 7/12/2016 No markers (no photos taken in 2016). Need to contact owner to determine status of crossing. If crossing is active, owner will need to coordinate with CVFPB to install markers to comply with Title 23. (DWR UCIP - omagana)5/19/2015 Need to install gasoline markers. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 8-inch soil proofed steel gas main through the left bank levee and under the channel of French Camp Slough. The pipeline has a minimum cover of 20 to 25 feet within the overflow areas and under the channel. (Permit No. 15185, 1989 - Pacific Gas & Electric Company [PG&E]) FS Date: 7/12/2016					

Photo 2 of 3 : UCIP\_SP\_2017\_49990\_74221.jpg



WS Slope. No gasoline markers.

LM Start	<b>0.15</b>	Rating **	U	Issue No.	<b>13 (cont)</b>
LM End	<b>0.15</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_49990\_74220.jpg



LS crown. No gasoline markers.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

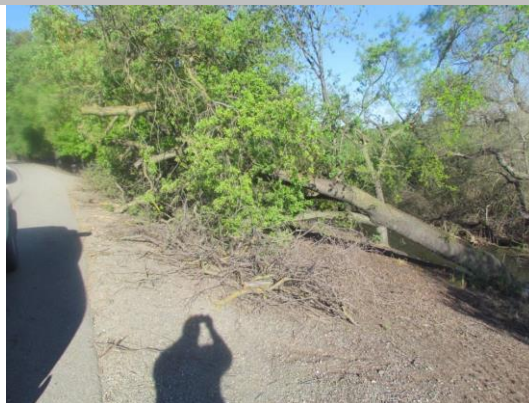
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.28	Rating **	M	Issue No.	9
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.913503 °	37.913503 °
				-121.294952 °	-121.294952 °
DWR ID	DWR_RD0017_01_s_2017_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0017\_303\_9\_20170330\_00018.jpg



Looking northeast at fallen tree on waterward slope.

LM Start	1.31	Rating **	M	Issue No.	14
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40604 DS_ID:2 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 1 of 3. 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 2/3/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40604\_38491.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	14 (cont)	
LM End	1.31	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.915928 °	37.915928 °	
				-121.312471 °	-121.312471 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40604 DS_ID:2 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 1 of 3. 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 2/3/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40604\_38489.jpg



View of landward side.

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>1.31</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_40604\_38495.jpg



Manhole found on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	15
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40605 DS_ID:159 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 2 of 3. A 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 2/3/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40605\_38505.jpg



Overview of levee at crossing.

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.31</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_40605\_38503.jpg



View of landward toe--established neighborhood.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	15 (cont)	
LM End	1.31	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.915928 °		37.915928 °
				-121.312471 °		-121.312471 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40605						
DS_ID:159						
EP_NO: 14992						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection.						
FIELD_STRUCT_DESC: 2 of 3. A 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989)						
FS Date: 2/3/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40605\_38509.jpg



Manhole for sanitary sewer visible on landward side.

LM Start	1.31	Rating **	M	Issue No.	16	
LM End	1.31	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.915928 °		37.915928 °
				-121.312471 °		-121.312471 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40606 DS_ID:158 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 3 of 3. A 12-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 2/3/2010						

Photo 1 of 3 : UCIP\_SP\_2017\_40606\_71942.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	16 (cont)	
LM End	1.31	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.915928 °	37.915928 °	
				-121.312471 °	-121.312471 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40606						
DS_ID:158						
EP_NO: 14992						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection.						
FIELD_STRUCT_DESC: 3 of 3. A 12-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989)						
FS Date: 2/3/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40606\_71941.jpg



View of landward side.

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.31</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_40606\_71940.jpg



Manhole visible on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0017 Mossdale**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Right	14.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>14.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.915968 °	37.772147 °	
			-121.320733 °	-121.289043 °	
DWR ID	DWR_RD0017_02_s_2017_69				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>14.27</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.915968 °	37.772147 °	
			-121.320733 °	-121.289043 °	
DWR ID	DWR_RD0017_02_s_2017_70				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.914598 °	37.914598 °	
			-121.322097 °	-121.322097 °	
DWR ID	DWR_RD0017_02_s_2017_71				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	84
LM End	0.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40628 DS_ID:75 EP_NO: 15093 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenace contract. Need to coordinate with owner. FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pumphouse. The only items left are 4 pilings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing". FS Date: 2/3/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40628\_38516.jpg



View of landward side.

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_40628\_38515.jpg



View of waterward side--pillings inside channel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	84 (cont)	
LM End	0.14	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.914335 °	37.914335 °	
				-121.322387 °	-121.322387 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40628						
DS_ID:75						
EP_NO: 15093						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenace contract. Need to coordinate with owner.						
FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pumphouse. The only items left are 4 pilings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing".						
FS Date: 2/3/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40628\_38514.jpg



View of waterward side.

LM Start	0.69	Rating **	M	Issue No.	72
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.906868 °	37.906868 °
				-121.324043 °	-121.324043 °
DWR ID	DWR_RD0017_02_s_2017_72				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.08	Rating **	U	Issue No.	2	
LM End	1.08	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.902530 °		37.902530 °
				-121.325690 °		-121.325690 °
DWR ID	DWR_RD0017_02_s_2017_2					
Comment Code						
Inspector Comment						
07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The erosion is nearly vertical, and has developed upward to halfway of the levee slope. The protecting concrete blocks have been washed away. Animal activities are visible. [2016 Site ID:RD0017U02RM44.32]. Repaired site						

LM Start	<b>1.08</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2017\_RD0017\_304\_2\_20170316\_00003.jpg



Front view of the erosion site. Note the concrete blocks and vegetation at the site.

Photo 2 of 3 : SP\_2017\_RD0017\_304\_2\_20170316\_00004.jpg



Close view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.08	Rating **	U	Issue No.	2 (cont)	
LM End	1.08	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.902530 °		37.902530 °
				-121.325690 °		-121.325690 °
DWR ID	DWR_RD0017_02_s_2017_2					
Comment Code						
Inspector Comment						
07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The erosion is nearly vertical, and has developed upward to halfway of the levee slope. The protecting concrete blocks have been washed away. Animal activities are visible. [2016 Site ID:RD0017U02RM44.32]. Repaired site						

Photo 3 of 3 : SP\_2017\_RD0017\_304\_2\_20170330\_00191.jpg



Looking south at repaired site on waterward slope. (Spring 2017)

LM Start	1.13	Rating **	M	Issue No.	73
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.901693 °	37.901693 °
				-121.325582 °	-121.325582 °
DWR ID	DWR_RD0017_02_s_2017_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.18	Rating **	M	Issue No.	85
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:45449  
DS\_ID:9  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Appears abandoned. Should contact owner to determine status as signs have been removed from supports and should be replaced if still in service.  
FIELD\_STRUCT\_DESC: Underground telephone cable through levee, 2 feet below crown. Warning signs on waterward slope.  
FS Date: 5/19/2015

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>85 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_45449\_74105.jpg



Sign on WS slope.

Photo 2 of 2 : UCIP\_SP\_2017\_45449\_74104.jpg



No markers on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.18	Rating **	M	Issue No.	86
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45450					
DS_ID:308					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Appears Abandoned. Need to contact owner to determine status of crossing as signs have been removed from markers and should be replaced if still in service.					
FIELD_STRUCT_DESC: 4-inch submarine telephone cable through the levee, 2.0 feet below the crown, and across the channel. Location marker on the waterward slope.					
FS Date: 5/19/2015					

Photo 1 of 2 : UCIP\_SP\_2017\_45450\_74107.jpg



Sign post on WS slope.

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>86 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2017\_45450\_74106.jpg



No markers on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.23	Rating **	M	Issue No.	87
LM End	1.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.900242 °	37.900242 °
				-121.325497 °	-121.325497 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49637  
DS\_ID:10  
EP\_NO: 15098  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 5/19/2015 Only signs of electrical conduit found. Need to contact owner to determine status of pipe as no record of removal has been found and only an electrical conduit was found at this location. (DWR UCIP - W. Wylie)  
FIELD\_STRUCT\_DESC: 8-inch steel irrigation pipe, 1 of 2 pipes, one (1) 8-inch pipe and one (1) 12-inch pipe, through the levee, 3.3 feet below levee crown. Electrical conduit through levee. Pump house located on waterward berm. Siphon breaker on waterward shoulder, standpipe located 10 feet from landward toe. (Permit No. 15098-1989).  
FS Date: 5/19/2015

LM Start	<b>1.23</b>	Rating **	M	Issue No.	<b>87 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_49637\_74109.jpg



View of WS slope with electrical conduit.

Photo 2 of 2 : UCIP\_SP\_2017\_49637\_74108.jpg



View of LS. No appurtances noted.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.45	Rating **	M	Issue No.	88
LM End	1.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40639 DS_ID:11 EP_NO: 15316 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status--pipe was not found only siphon breaker housing unit. FIELD_STRUCT_DESC: 8 inch diameter discharge pipeline through levee. Invert of pipe is 3.8 feet below levee crown. Siphon breaker on the waterward shoulder. Pump is located inside ditch located approximately 75 feet landward of levee toe. (Permit No. 15316-1989) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40639\_38687.jpg



View of levee crown at crossing.

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40639\_38686.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.897280 °	37.897280 °	
			-121.326775 °	-121.326775 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40639 DS_ID:11 EP_NO: 15316 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status--pipe was not found only siphon breaker housing unit. FIELD_STRUCT_DESC: 8 inch diameter discharge pipeline through levee. Invert of pipe is 3.8 feet below levee crown. Siphon breaker on the waterward shoulder. Pump is located inside ditch located approximately 75 feet landward of levee toe. (Permit No. 15316-1989) FS Date: 2/4/2010					

Photo 3 of 3 : UCIP\_SP\_2017\_40639\_38685.jpg



Siphon breaker located on waterward slope.

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>1.50</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.896602 °	37.896602 °	
			-121.327104 °	-121.327104 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40640 DS_ID:12 EP_NO: 15099 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter irrigation pipeline through levee. Invert of pipe is 3.64 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm. Standpipe located 15 feet from landward toe. Concrete stairway on waterward slope. (Permit No. 15099-1989) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40640\_71981.jpg



View of levee crown at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	89 (cont)
LM End	1.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602 °
				-121.327104 °	-121.327104 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40640					
DS_ID:12					
EP_NO: 15099					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: 16 inch diameter irrigation pipeline through levee. Invert of pipe is 3.64 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm. Standpipe located 15 feet from landward toe. Concrete stairway on waterward slope. (Permit No. 15099-1989)					
FS Date: 2/4/2010					

Photo 2 of 3 : UCIP\_SP\_2017\_40640\_38706.jpg



Standpipe located on landward side.

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>1.50</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40640\_71983.jpg



Concrete irrigation canal located at landward toe just upstream of crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.67	Rating **	M	Issue No.	90
LM End	1.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.894217 °	37.894217 °
				-121.328231 °	-121.328231 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49640  
DS\_ID:13  
EP\_NO: 15100  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/07/2016 Need to coordinate with owner to determine if 12-inch pipe was sleeved through authorized 16-inch pipe. Unable to confirm if 12-inch pipe was authorized under Permit No. 15100. Also need to coordinate with owner to determine extent of repair to crossing--previous leak to WS pipe section. (DWR UCIP - O. Magana)05/19/2015 Notes were initially recorded under DS\_ID entry 82 due to field confirmed pipe size (12-inch and not 16-inch as described in permit). Record was updated to show 12 inch crossing was authorized under Permit 15100. UPDATED INFO @ CROSSING: Damage pipe section located on waterward toe has been replaced with new section. (DWR UCIP - O. Magana)02/0/2010 Holes in pipe at WS toe good indicator of pipe internal condition. Owner should perform an internal inspection of the pipe through the levee. (DWR UCIP - O. Magana)  
FIELD\_STRUCT\_DESC: 12-inch (instead of 16-inch as indicated in permit As-Built) steel irrigation pipe through levee, 2.35 feet below the crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is supported by steel support beams in the ditch located approximately 35 feet from landside (LS) toe. Ramp is located on the LS slope. (16-inch pipe installed under Permit No. 15100, 1990 - W. Long).  
FS Date: 5/19/2015

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_49640\_74436.jpg



(2015) Damage pipe section located on WS toe has been replaced.

Photo 2 of 3 : UCIP\_SP\_2017\_49640\_74437.jpg



(2015) View of landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	1.67	Rating **	M	Issue No.	90 (cont)
LM End	1.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.894217 °	37.894217 °
				-121.328231 °	-121.328231 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49640  
DS\_ID:13  
EP\_NO: 15100  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/07/2016 Need to coordinate with owner to determine if 12-inch pipe was sleeved through authorized 16-inch pipe. Unable to confirm if 12-inch pipe was authorized under Permit No. 15100. Also need to coordinate with owner to determine extent of repair to crossing--previous leak to WS pipe section. (DWR UCIP - O. Magana)05/19/2015 Notes were initially recorded under DS\_ID entry 82 due to field confirmed pipe size (12-inch and not 16-inch as described in permit). Record was updated to show 12 inch crossing was authorized under Permit 15100. UPDATED INFO @ CROSSING: Damage pipe section located on waterward toe has been replaced with new section. (DWR UCIP - O. Magana)02/0/2010 Holes in pipe at WS toe good indicator of pipe internal condition. Owner should perform an internal inspection of the pipe through the levee. (DWR UCIP - O. Magana)  
FIELD\_STRUCT\_DESC: 12-inch (instead of 16-inch as indicated in permit As-Built) steel irrigation pipe through levee, 2.35 feet below the crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is supported by steel support beams in the ditch located approximately 35 feet from landside (LS) toe. Ramp is located on the LS slope. (16-inch pipe installed under Permit No. 15100, 1990 - W. Long).  
FS Date: 5/19/2015

Photo 3 of 3 : UCIP\_SP\_2017\_49640\_74432.jpg



Pump, vent, butterfly valve, and pipe visible off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>2.02</b>	Rating **	M	Issue No.	<b>91</b>
LM End	<b>2.02</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.889622 °	37.889622 °	
			-121.328721 °	-121.328721 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:40642  
DS\_ID:14  
EP\_NO: 15317  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional).  
FIELD\_STRUCT\_DESC: 10 inch diameter steel stormwater discharge pipeline through levee. Invert of pipe is 4.74 feet below levee crown. Siphon breaker on waterward slope. Pump in ditch located 300 feet landward of toe. Ramp on landward slope. 10 inch pipe connects to an existing 16 inch discharge pipe on the landward side. (Permit No. 15317-1990) This pipe was installed during the levee work approved under encroachment number 15014.  
FS Date: 2/4/2010

LM Start	<b>2.02</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>2.02</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_40642\_38742.jpg



View of waterward side--riser located on waterward shoulder.

Photo 2 of 3 : UCIP\_SP\_2017\_40642\_38740.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.02	Rating **	M	Issue No.	91 (cont)	
LM End	2.02	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.889622 °		37.889622 °
				-121.328721 °		-121.328721 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40642 DS_ID:14 EP_NO: 15317 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10 inch diameter steel stormwater discharge pipeline through levee. Invert of pipe is 4.74 feet below levee crown. Siphon breaker on waterward slope. Pump in ditch located 300 feet landward of toe. Ramp on landward slope. 10 inch pipe connects to an existing 16 inch discharge pipe on the landward side. (Permit No. 15317-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40642\_38746.jpg



Unidentified appurtenances located on landward side-unable to confirm if pipe crosses levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	92
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49992  
 DS\_ID:15  
 EP\_NO: 15101  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/12/2016 Rodent activity is present at this crossing. Unable to confirm if sink hole was present--depression near riser is still visible. Pipe was running during site visit. Crossing has been downgraded from Urgent to Non-Urgent---no damage was visible to levee crown or LS slope and only minor depression found around WS riser. Depression near siphon breaker on WS shoulder could be due to poor compaction or rodent activity--recommend monitoring site. Need to contact owner to determine if any internal integrity inspections have been done at this crossing. (DWR UCIP - omagana)2/04/2010 Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - omagana)  
 FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe through levee, 2.93 feet below levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump house is located on the WS berm. Concrete stairway is located on WS slope. Concrete standpipe is located approximately 25 feet from landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15101, 1989 - Calcagno Farms Co-Partnership; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
 FS Date: 7/12/2016

Photo 1 of 3 : UCIP\_SP\_2017\_49992\_38770.jpg



View of LS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	92 (cont)
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:49992  
 DS\_ID:15  
 EP\_NO: 15101  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/12/2016 Rodent activity is present at this crossing. Unable to confirm if sink hole was present--depression near riser is still visible. Pipe was running during site visit. Crossing has been downgraded from Urgent to Non-Urgent---no damage was visible to levee crown or LS slope and only minor depression found around WS riser. Depression near siphon breaker on WS shoulder could be due to poor compaction or rodent activity--recommend monitoring site. Need to contact owner to determine if any internal integrity inspections have been done at this crossing. (DWR UCIP - omagana)2/04/2010 Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - omagana)  
 FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe through levee, 2.93 feet below levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump house is located on the WS berm. Concrete stairway is located on WS slope. Concrete standpipe is located approximately 25 feet from landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15101, 1989 - Calcagno Farms Co-Partnership; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
 FS Date: 7/12/2016

Photo 2 of 3 : UCIP\_SP\_2017\_49992\_38773.jpg



View of WS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	92 (cont)
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49992  
DS\_ID:15  
EP\_NO: 15101  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Rodent activity is present at this crossing. Unable to confirm if sink hole was present--depression near riser is still visible. Pipe was running during site visit. Crossing has been downgraded from Urgent to Non-Urgent---no damage was visible to levee crown or LS slope and only minor depression found around WS riser. Depression near siphon breaker on WS shoulder could be due to poor compaction or rodent activity--recommend monitoring site. Need to contact owner to determine if any internal integrity inspections have been done at this crossing. (DWR UCIP - omagana)2/04/2010 Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe through levee, 2.93 feet below levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump house is located on the WS berm. Concrete stairway is located on WS slope. Concrete standpipe is located approximately 25 feet from landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15101, 1989 - Calcagno Farms Co-Partnership; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 3 of 3 : UCIP\_SP\_2017\_49992\_38774.jpg



View of WS slope--riser and pipe visible.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.23	Rating **	M	Issue No.	93
LM End	2.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40645 DS_ID:16 EP_NO: 15102 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. FIELD_STRUCT_DESC: 20 inch diameter irrigation pipeline through levee. Invert of pipe is 2.8 feet below levee crown. Fill placed over the pipeline to provide 2.0 feet of cover. Siphon breaker on waterward shoulder. Pump on platform with walkway to shoulder, standpipe located 15 feet landward tee, concrete stairway en waterward slope. (Permit No. 15102-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

LM Start	<b>2.23</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>2.23</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_40645\_72002.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2017\_40645\_72001.jpg



Standpipe located on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.23	Rating **	M	Issue No.	93 (cont)	
LM End	2.23	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.887057 °		37.887057 °
				-121.330484 °		-121.330484 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40645						
DS_ID:16						
EP_NO: 15102						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to coordinate with owner to determine status of crossing.						
FIELD_STRUCT_DESC: 20 inch diameter irrigation pipeline through levee. Invert of pipe is 2.8 feet below levee crown. Fill placed over the pipeline to provide 2.0 feet of cover. Siphon breaker on waterward shoulder. Pump on platform with walkway to shoulder, standpipe located 15 feet landward tee, concrete stairway en waterward slope. (Permit No. 15102-1990) This pipe was installed during the levee work approved under encroachment number 15014.						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40645\_72006.jpg



Overview of waterward side.

LM Start	2.49	Rating **	M	Issue No.	94
LM End	2.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427 °	37.883427 °
				-121.331189 °	-121.331189 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40646					
DS_ID:17					
EP_NO: 15103					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: 8 inch diameter steel irrigation pipeline through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landward shoulder. Pump house on waterward slope, standpipe located 10 feet from landward tee. Concrete stairway on waterward slope. (Permit No. 15103-1990) This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40646\_72010.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.49	Rating **	M	Issue No.	94 (cont)	
LM End	2.49	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.883427 °		37.883427 °
				-121.331189 °		-121.331189 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40646						
DS_ID:17						
EP_NO: 15103						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.						
FIELD_STRUCT_DESC: 8 inch diameter steel irrigation pipeline through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landward shoulder. Pump house on waterward slope, standpipe located 10 feet from landward tee. Concrete stairway on waterward slope. (Permit No. 15103-1990) This pipe was installed during the levee work approved under encroachment number 15014.						
FS Date: 2/4/2010						

LM Start	<b>2.49</b>	Rating **	M	Issue No.	<b>94 (cont)</b>
LM End	<b>2.49</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40646\_72009.jpg



View of levee crown at crossing.

Photo 3 of 3 : UCIP\_SP\_2017\_40646\_72008.jpg



Inside view of standpipe located on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.66	Rating **	M	Issue No.	95
LM End	2.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881091 °	37.881091 °
				-121.331842 °	-121.331842 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46009					
DS_ID:315					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/19/15 Pipe has been removed. Need to contact KSN, engineering consultants for LMA, to obtain records showing pipe removal and obtain permit authoring work. 02/04/10 Hole present on waterward side pipe--historical records indicate crossing abandoned however unable to confirm. Unable to confirm condition of pipe through levee. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: *REMOVED* 4-inch pipe through the levee, 2.0 feet below the crown. Pump on concrete pad on the waterward slope. Gate valve on the waterward slope. Pipe open on both ends.					
FS Date: 5/19/2015					

Photo 1 of 3 : UCIP\_SP\_2017\_46009\_74439.jpg



(2015) View of waterward slope.

LM Start	<b>2.66</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>2.66</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_46009\_74441.jpg



(2015) View of waterward slope--pipe removed.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.66	Rating **	M	Issue No.	95 (cont)	
LM End	2.66	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.881091 °		37.881091 °
				-121.331842 °		-121.331842 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46009						
DS_ID:315						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/19/15 Pipe has been removed. Need to contact KSN, engineering consultants for LMA, to obtain records showing pipe removal and obtain permit authoring work. 02/04/10 Hole present on waterward side pipe--historical records indicate crossing abandoned however unable to confirm. Unable to confirm condition of pipe through levee. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.						
FIELD_STRUCT_DESC: *REMOVED* 4-inch pipe through the levee, 2.0 feet below the crown. Pump on concrete pad on the waterward slope. Gate valve on the waterward slope. Pipe open on both ends.						
FS Date: 5/19/2015						

Photo 3 of 3 : UCIP\_SP\_2017\_46009\_74438.jpg



(2015) Pipe removed from waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.67	Rating **	U	Issue No.	96
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880960 °	37.880960 °
				-121.331846 °	-121.331846 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50081  
 DS\_ID:277  
 EP\_NO: 15104  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/12/2016 Leak is present on WS section of pipe. Recommend an internal inspection of the pipe through the levee due to the age of the pipe and the present leak found on the WS. Owner will need to coordinate with DWR Inspector and CVFPB to address leak. (DWR UCIP - O. Magana)5/19/2015 Crossing is being maintained. (DWR UCIP - O. Magana)2/04/2010 Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - O. Magana)  
 FIELD\_STRUCT\_DESC: 2 of 3: 8-inch steel irrigation pipe through the levee, 2.18 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways are located on the waterside (WS) slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (8-inch pipe installed under Permit No. 15104, 1989 - R. Remonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17)  
 [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
 FS Date: 7/12/2016

Photo 1 of 3 : UCIP\_SP\_2017\_50081\_75745.jpg



View of WS--slope cleared of vegetation.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.67	Rating **	U	Issue No.	96 (cont)
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880960 °	37.880960 °
				-121.331846 °	-121.331846 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50081

DS\_ID:277

EP\_NO: 15104

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 7/12/2016 Leak is present on WS section of pipe. Recommend an internal inspection of the pipe through the levee due to the age of the pipe and the present leak found on the WS. Owner will need to coordinate with DWR Inspector and CVFPB to address leak. (DWR UCIP - O. Magana)5/19/2015 Crossing is being maintained. (DWR UCIP - O. Magana)2/04/2010 Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - O. Magana)

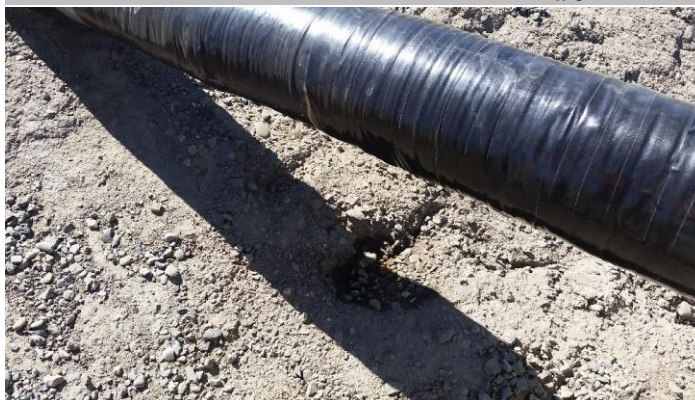
FIELD\_STRUCT\_DESC: 2 of 3: 8-inch steel irrigation pipe through the levee, 2.18 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways are located on the waterside (WS) slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (8-inch pipe installed under Permit No. 15104, 1989 - R. Remonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17)

[Additional Reference(s): DWR Levee Log, 1981 and 2003]

FS Date: 7/12/2016

LM Start	<b>2.67</b>	Rating **	U	Issue No.	<b>96 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_50081\_75742.jpg



WS view--moisture observed on ground below wrapped pipe section, photo 1 of 2.

Photo 3 of 3 : UCIP\_SP\_2017\_50081\_75743.jpg



Pipe leak visible on WS pipe section, photo 2 of 2.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.67	Rating **	U	Issue No.	97
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880923 °	37.880923 °
				-121.331857 °	-121.331857 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49993  
DS\_ID:278  
EP\_NO: 15104  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as previous inspection. Holes visible along exposed WS section of pipe. (DWR UCIP - omagana)5/19/2015 Holes through pipe visible on waterward toe. Recommend contacting owner to confirm pipe use--good candidate for internal inspection. (DWR UCIP - omagana)2/04/2010 Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 3 of 3: 8-inch steel irrigation pipe through the levee, 2.85 feet below levee crown. Pump station is located on waterside (WS). Concrete standpipe is located on the landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15104, 1989 - R. Romonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17). [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

LM Start	<b>2.67</b>	Rating **	U	Issue No.	<b>97 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_49993\_75736.jpg



View of WS, photo taken downstream looking at upstream pipe. Photo 1 of 2.

Photo 2 of 3 : UCIP\_SP\_2017\_49993\_75733.jpg



View of WS, photo taken upstream looking at first pipe. Photo 1 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.67	Rating **	U	Issue No.	97 (cont)
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880923 °	37.880923 °
				-121.331857 °	-121.331857 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49993  
DS\_ID:278  
EP\_NO: 15104  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as previous inspection. Holes visible along exposed WS section of pipe. (DWR UCIP - omagana)5/19/2015 Holes through pipe visible on waterward toe. Recommend contacting owner to confirm pipe use--good candidate for internal inspection. (DWR UCIP - omagana)2/04/2010 Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 3 of 3: 8-inch steel irrigation pipe through the levee, 2.85 feet below levee crown. Pump station is located on waterside (WS). Concrete standpipe is located on the landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15104, 1989 - R. Romonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17). [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 3 of 3 : UCIP\_SP\_2017\_49993\_75734.jpg



WS-pipe daylight just above rip rap near red pipe.

LM Start	2.82	Rating **	M	Issue No.	83
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878660 °	37.878660 °
				-121.332400 °	-121.332400 °
DWR ID	DWR RD0017 02 s 2017 83				

**Comment Code**

**Inspector Comment**

07/25/2016: No significant change observed.  
06/24/2015: No significant change observed.  
06/19/2014: A pocket erosion was found during the boat survey. [2016 Site ID:RD0017U02RM46.1]

Photo 1 of 2 : SP\_2017\_RD0017\_304\_83\_20170316\_00009.jpg



Front view of the erosion.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	2.82	Rating **	M	Issue No.	83 (cont)
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878660 °	37.878660 °
				-121.332400 °	-121.332400 °
DWR ID	DWR_RD0017_02_s_2017_83				
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/24/2015: No significant change observed.					
06/19/2014: A pocket erosion was found during the boat survey. [2016 Site ID:RD0017U02RM46.1]					

Photo 2 of 2 : SP\_2017\_RD0017\_304\_83\_20170316\_00010.jpg



Close view of the erosion. The slope protection is poor.

LM Start	3.00	Rating **	M	Issue No.	98
LM End	3.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40655 DS_ID:20 EP_NO: 15106 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity dession on landward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.1 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward slope, standpipe located 14 feet landward of levee toe. (Permit No. 15106-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40655\_72050.jpg



View of waterward side.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.00	Rating **	M	Issue No.	98 (cont)	
LM End	3.00	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.876317 °		37.876317 °
				-121.331447 °		-121.331447 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40655						
DS_ID:20						
EP_NO: 15106						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Burrow activity dession on landward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.						
FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.1 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward slope, standpipe located 14 feet landward of levee toe. (Permit No. 15106-1989) This pipe was installed during the levee work approved under encroachment number 15014.						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40655\_72051.jpg



Pump station and control panel located on waterward side.

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>3.00</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_40655\_72049.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.16	Rating **	M	Issue No.	99
LM End	3.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874160 °	37.874160 °
				-121.331761 °	-121.331761 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:46005  
DS\_ID:21  
EP\_NO: 15310  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/19/15 Deteriorated section of pipe has been replaced. Need to contact KSN, engineering consulting representing LMA, to determine repair details and to obtain permit authorizing repair. 02/04/10 Pipe wall deteriorated. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.  
FIELD\_STRUCT\_DESC: 10 inch discharge pipeline through levee. The invert of the pipe is 3.78 feet below crown. Siphon breaker on landward shoulder. Pump located on the landward side approximately 45 feet from the levee toe. (Permit No. 15310-1989) This pipe was installed during the levee work approved under encroachment number 15014.  
FS Date: 5/19/2015

LM Start	<b>3.16</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>3.16</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_46005\_74456.jpg



(2015) View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2017\_46005\_74458.jpg



(2015) Pipe section replaced.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.16	Rating **	M	Issue No.	99 (cont)	
LM End	3.16	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.874160 °		37.874160 °
				-121.331761 °		-121.331761 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46005 DS_ID:21 EP_NO: 15310 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/15 Deteriorated section of pipe has been replaced. Need to contact KSN, engineering consulting representing LMA, to determine repair details and to obtain permit authorizing repair.02/04/10 Pipe wall deteriorated. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10 inch discharge pipeline through levee. The invert of the pipe is 3.78 feet below crown. Siphon breaker on landward shoulder. Pump located on the landward side approximately 45 feet from the levee toe. (Permit No. 15310-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 5/19/2015						

Photo 3 of 3 : UCIP\_SP\_2017\_46005\_74457.jpg



(2015) View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.44	Rating **	M	Issue No.	100
LM End	3.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.871000 °	37.871000 °
				-121.329000 °	-121.329000 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50004  
DS\_ID:25466  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Under Construction--Missing permit information and as-built drawings. New pipe installed 7/12/2016, as an emergency repair--owner in the process of obtaining permit from CVFPB. This pipe replaces DS\_ID 22, pipe was removed July 2016. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe through the levee, X.XX feet below levee crown. Pump sits on the platform supported by steel piles located on the waterside (WS). Walkway extends from the pump platform to the WS. Positive closure device located on WS near walkway. (16-inch steel pipe installed under Permit No. XXXX, 2016 - XXXXX).  
FS Date: 7/12/2016

LM Start	<b>3.44</b>	Rating **	M	Issue No.	<b>100 (cont)</b>
LM End	<b>3.44</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_50004\_75870.jpg



View of exposed pipe on LS--photo taken during install progress.

Photo 2 of 3 : UCIP\_SP\_2017\_50004\_75871.jpg



View of WS--coated pipe, walkway, and removal of concrete stairway. Construction in progress.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.44	Rating **	M	Issue No.	100 (cont)	
LM End	3.44	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.871000 °	37.871000 °	
				-121.329000 °	-121.329000 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50004 DS_ID:25466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/12/2016 Under Construction--Missing permit information and as-built drawings. New pipe installed 7/12/2016, as an emergency repair--owner in the process of obtaining permit from CVFPB. This pipe replaces DS_ID 22, pipe was removed July 2016. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, X.XX feet below levee crown. Pump sits on the platform supported by steel piles located on the waterside (WS). Walkway extends from the pump platform to the WS. Positive closure device located on WS near walkway. (16-inch steel pipe installed under Permit No. XXXX, 2016 - XXXXX). FS Date: 7/12/2016						

Photo 3 of 3 : UCIP\_SP\_2017\_50004\_75872.jpg



View of levee crown--construction on LS and WS in progress.

LM Start	3.47	Rating **	M	Issue No.	101
LM End	3.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40658 DS_ID:23 EP_NO: 4116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 8 inch diameter high pressure gas main through the levee. Invert of pipe is 3.9 feet below the crown. Location sign for gas pipeline crossing on waterward slope. (Permit No. 4116-1962) PG&E contact information 510-779-4830 for crossing. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40658\_72112.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.47	Rating **	M	Issue No.	101 (cont)	
LM End	3.47	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.870623 °	37.870623 °	
				-121.328775 °	-121.328775 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40658 DS_ID:23 EP_NO: 4116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 8 inch diameter high pressure gas main through the levee. Invert of pipe is 3.9 feet below the crown. Location sign for gas pipeline crossing on waterward slope. (Permit No. 4116-1962) PG&E contact information 510-779-4830 for crossing. FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40658\_72111.jpg



View of landward side.

LM Start	<b>3.47</b>	Rating **	M	Issue No.	<b>101 (cont)</b>
LM End	<b>3.47</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_40658\_72110.jpg



Marker visible on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.63	Rating **	M	Issue No.	102
LM End	3.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40659					
DS_ID:26					
EP_NO: 15109					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Erosion around siphon breaker on landward side					
recommend investigating potential leak.					
FIELD_STRUCT_DESC: 12 inch pipeline through levee. Invert of pipe					
is 4.0 feet below levee crown. Siphon breaker on landward shoulder.					
Pump in irrigation ditch 45 feet from landward toe. (Permit No. 15109-					
1990)					
FS Date: 2/4/2010					

LM Start	<b>3.63</b>	Rating **	M	Issue No.	<b>102 (cont)</b>
LM End	<b>3.63</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_40659\_72116.jpg



View of pipe section and pump station located on landward side.

Photo 2 of 3 : UCIP\_SP\_2017\_40659\_72115.jpg



Pump station locate on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.63	Rating **	M	Issue No.	102 (cont)	
LM End	3.63	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.868657 °	37.868657 °	
				-121.327383 °	-121.327383 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40659						
DS_ID:26						
EP_NO: 15109						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Erosion around siphon breaker on landward side						
recommend investigating potential leak.						
FIELD_STRUCT_DESC: 12 inch pipeline through levee. Invert of pipe						
is 4.0 feet below levee crown. Siphon breaker on landward shoulder.						
Pump in irrigation ditch 45 feet from landward toe. (Permit No. 15109-						
1990)						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40659\_72114.jpg



Siphon breaker located on landward slope.

LM Start	3.73	Rating **	C	Issue No.	75
LM End	3.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.867233 °	37.867233 °
				-121.326712 °	-121.326712 °
DWR ID	DWR_RD0017_02_f_2016_75				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large breaver holes on waterward berm					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>3.75</b>	Rating **	M	Issue No.	<b>103</b>
LM End	<b>3.75</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.867000 °	37.867000 °	
			-121.327000 °	-121.327000 °	
DWR ID					

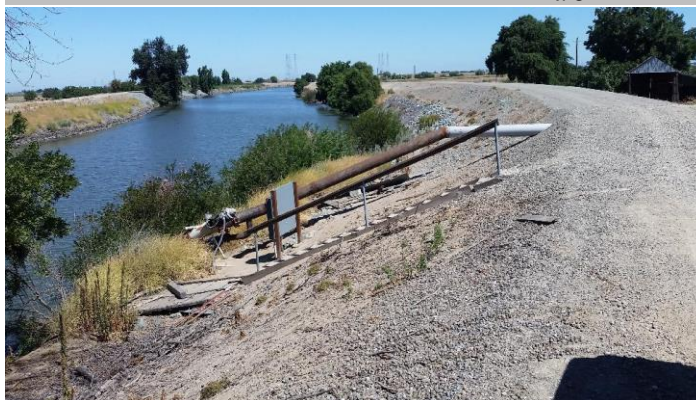
**Comment Code**

**Inspector Comment**

FS\_ID:50005  
 DS\_ID:25465  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/12/2016 Missing permit number and as-built drawings for this crossing. New pipe installed June 2016. According to Rick Toy, KSN-District Engineer, DCC Engineering is working with CVFPB to obtain permit for owner. Pipe replaces DS\_ID 27--pipe removed May 2016. (DWR UCIP - omagana)  
 FIELD\_STRUCT\_DESC: UNK-inch steel irrigation pipe through levee, X.XX feet below the crown. Slant pump is located on waterside (WS) slope, standpipe located 5 feet from LS toe. Concrete stairways with guardrail located on the WS. Two power poles (about 10 feet apart) located on landside (LS) toe. (Permit No. XXXXX, 2016 - XXXXXX)  
 FS Date: 7/12/2016

LM Start	<b>3.75</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>3.75</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_50005\_75863.jpg



View of WS, photo taken looking downstream.

Photo 2 of 3 : UCIP\_SP\_2017\_50005\_75864.jpg



View of LS, photo taken looking downstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	3.75	Rating **	M	Issue No.	103 (cont)	
LM End	3.75	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.867000 °		37.867000 °
				-121.327000 °		-121.327000 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50005 DS_ID:25465 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/12/2016 Missing permit number and as-built drawings for this crossing. New pipe installed June 2016. According to Rick Toy, KSN-District Engineer, DCC Engineering is working with CVFPB to obtain permit for owner. Pipe replaces DS_ID 27--pipe removed May 2016. (DWR UCIP - omagana) FIELD_STRUCT_DESC: UNK-inch steel irrigation pipe through levee, X.XX feet below the crown. Slant pump is located on waterside (WS) slope, standpipe located 5 feet from LS toe. Concrete stairways with guardrail located on the WS. Two power poles (about 10 feet apart) located on landside (LS) toe. (Permit No. XXXXX, 2016 - XXXXXX) FS Date: 7/12/2016						

Photo 3 of 3 : UCIP\_SP\_2017\_50005\_75865.jpg



View of levee crown--levee section where pipe crosses is raised.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.21	Rating **	M	Issue No.	104
LM End	4.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644 °
				-121.320435 °	-121.320435 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43264					
DS_ID:28					
EP_NO: 15111					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 2/4/15--Olivia 2010 Records from KSN show this crossing was removed based on the RD17 As-Built Pipe Crossing Stationing Reference, however when field verification was completed in this area a 2-inch pipe was found. This could be a different 2-inch pipe in nearby area. Need to coordinate with owner to determine permit issued for this crossing.2/4/10 Pipe is not continous. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: *REMOVED* 2 inch pipeline through levee. Invert of pipeline is 3.92 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward slope. Pipe extends beyond 10 feet of the landward toe. (Permit No. 15111-1990). This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_43264\_72125.jpg



View of levee crown at crossing.

LM Start	<b>4.21</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>4.21</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_43264\_72124.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.21	Rating **	M	Issue No.	104 (cont)	
LM End	4.21	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.863644 °		37.863644 °
				-121.320435 °		-121.320435 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43264 DS_ID:28 EP_NO: 15111 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2/4/15--Olivia 2010 Records from KSN show this crossing was removed based on the RD17 As-Built Pipe Crossing Stationing Reference, however when field verification was completed in this area a 2-inch pipe was found. This could be a different 2-inch pipe in nearby area. Need to coordinate with owner to determine permit issued for this crossing.2/4/10 Pipe is not continuous. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: *REMOVED* 2 inch pipeline through levee. Invert of pipeline is 3.92 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward slope. Pipe extends beyond 10 feet of the landward toe. (Permit No. 15111-1990). This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_43264\_72123.jpg



View of crossing on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.26	Rating **	M	Issue No.	105
LM End	4.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40662					
DS_ID:29					
EP_NO: 15112					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Debris (pipe section) scattered on waterward side.					
FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.12 feet below crown. Siphon breaker on landward shoulder. Pump on waterward berm, standpipe located 28 feet from the landward toe. (Permit No. 15112-1990). Stairway located on both waterward and landward slopes. This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 2/4/2010					

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>105 (cont)</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_40662\_72130.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2017\_40662\_72128.jpg



View of waterward side--pump house, walkway, pipe, and abandone pipe section.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.26	Rating **	M	Issue No.	105 (cont)
LM End	4.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40662 DS_ID:29 EP_NO: 15112 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Debris (pipe section) scattered on waterward side. FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.12 feet below crown. Siphon breaker on landward shoulder. Pump on waterward berm, standpipe located 28 feet from the landward toe. (Permit No. 15112-1990). Stairway located on both waterward and landward slopes. This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

Photo 3 of 3 : UCIP\_SP\_2017\_40662\_72134.jpg



Pipe through pump house located on waterward side.

LM Start	4.31	Rating **	M	Issue No.	106
LM End	4.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.862383 °	37.862383 °
				-121.319797 °	-121.319797 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40376 DS_ID:801 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if conduit goes through levee. Need to contact owner to obtain additional information about crossing and status. FIELD_STRUCT_DESC: 2.5 inch conduit visible on landward side. FS Date: 2/25/2010					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.37	Rating **	A/W	Issue No.	1
LM End	4.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.861673 °	37.861370 °
				-121.320115 °	-121.320102 °
DWR ID	DWR_RD0017_02_s_2012_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander along fence line. LMA trimmed oleander along landside.					

Photo 1 of 2 : SP\_2017\_RD0017\_304\_1\_20170316\_00001.jpg



Looking south at trimmed oleanders on landward slope along fence.

LM Start	<b>4.37</b>	Rating **	A/W	Issue No.	<b>1 (cont)</b>
LM End	<b>4.39</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0017\_304\_1\_20170316\_00002.jpg



Looking southwest at trimmed oleanders on landward slope along fence.

LM Start	4.43	Rating **	A/W	Issue No.	76
LM End	5.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.861070 °	37.850118 °
				-121.319510 °	-121.320188 °
DWR ID	DWR_RD0017_02_s_2012_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes has been backfilled, but should be monitored.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.80	Rating **	U	Issue No.	107
LM End	4.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:49997  
DS\_ID:33  
EP\_NO: 15116  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as last inspection--internal erosion on WS and LS slope slipping with visible head scarp. Internal erosion visible from WS where pipe daylights. LS slope slipping with visible head scarp approximately 6-inches. Need to coordinate with owner to address issue. Owner will need to work with DWR Inspector and CVFPB to comply with Title 23 requirements. Recommend internal integrity inspection of crossing to determine pipe condition through levee. (DWR UCIP - omagana)5/19/2015 Signs of internal erosion visible on waterward side where pipe daylights. Slope slumping visible on landward side where previous levee damage was present. Need to contact owner and KSN, LMA engineering firm, to coordinate potential issues with pipe. (DWR UCIP - omagana)2/04/2010 Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 14-inch steel irrigation pipe through levee, approximately 3.66 below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Also visible on the WS is the pump, the platform supported by steel piles in channel, a wooden walkway which extends from pump platform to WS slope, a concrete stairway which extends from walkway to WS shoulder. A double side approach ramp is located on the landside (LS) slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15116, 1990 - Rio Blanco Ranch, Inc.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 1 of 3 : UCIP\_SP\_2017\_49997\_75723.jpg



View of WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

# Reclamation District No. 0017 Mosssdale

Internal erosion still visible on WS.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.80	Rating **	U	Issue No.	107 (cont)
LM End	4.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49997  
DS\_ID:33  
EP\_NO: 15116  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as last inspection--internal erosion on WS and LS slope slipping with visible head scarp. Internal erosion visible from WS where pipe daylights. LS slope slipping with visible head scarp approximately 6-inches. Need to coordinate with owner to address issue. Owner will need to work with DWR Inspector and CVFPB to comply with Title 23 requirements. Recommend internal integrity inspection of crossing to determine pipe condition through levee. (DWR UCIP - omagana)5/19/2015 Signs of internal erosion visible on waterward side where pipe daylights. Slope slumping visible on landward side where previous levee damage was present. Need to contact owner and KSN, LMA engineering firm, to coordinate potential issues with pipe. (DWR UCIP - omagana)2/04/2010 Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 14-inch steel irrigation pipe through levee, approximately 3.66 below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Also visible on the WS is the pump, the platform supported by steel piles in channel, a wooden walkway which extends from pump platform to WS slope, a concrete stairway which extends from walkway to WS shoulder. A double side approach ramp is located on the landside (LS) slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15116, 1990 - Rio Blanco Ranch, Inc.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 3 of 3 : UCIP\_SP\_2017\_49997\_75720.jpg



View of LS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>4.95</b>	Rating **	M	Issue No.	<b>108</b>
LM End	<b>4.95</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.855370 °	37.855370 °	
			-121.319870 °	-121.319870 °	

DWR ID	
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Comment Code	
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Inspector Comment	
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FS\_ID:49998

DS\_ID:34

EP\_NO: 15117

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 7/12/2016 Crossing has been downgraded from Urgent to Non-Urgent--LS levee slope repaired. Levee slope was disturbed to repair leaky pipe--LS splice approximately 20-30 feet off the LS toe. Need to contact owner to determine if any documentation is available to support repair extent or internal integrity inspection of pipe through levee. (DWR UCIP - omagana)2/04/2010 Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe through levee, 3.43 feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located approximately 100 feet from the landside (LS) toe. Ramp is located on the LS slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15117, 1989 - Rio Blanco Ranch, Inc.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]

FS Date: 7/12/2016

Photo 1 of 3 : UCIP\_SP\_2017\_49998\_72215.jpg



View of LS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.95	Rating **	M	Issue No.	108 (cont)
LM End	4.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855370 °	37.855370 °
				-121.319870 °	-121.319870 °
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:49998  
 DS\_ID:34  
 EP\_NO: 15117  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/12/2016 Crossing has been downgraded from Urgent to Non-Urgent--LS levee slope repaired. Levee slope was disturbed to repair leaky pipe--LS splice approximately 20-30 feet off the LS toe. Need to contact owner to determine if any documentation is available to support repair extent or internal integrity inspection of pipe through levee. (DWR UCIP - omagana)2/04/2010 Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - omagana)  
 FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe through levee, 3.43 feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located approximately 100 feet from the landside (LS) toe. Ramp is located on the LS slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15117, 1989 - Rio Blanco Ranch, Inc.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
 FS Date: 7/12/2016

Photo 2 of 3 : UCIP\_SP\_2017\_49998\_72214.jpg



Section of levee slope exposed on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	4.95	Rating **	M	Issue No.	108 (cont)
LM End	4.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855370 °	37.855370 °
				-121.319870 °	-121.319870 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49998  
DS\_ID:34  
EP\_NO: 15117  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Crossing has been downgraded from Urgent to Non-Urgent--LS levee slope repaired. Levee slope was disturbed to repair leaky pipe--LS splice approximately 20-30 feet off the LS toe. Need to contact owner to determine if any documentation is available to support repair extent or internal integrity inspection of pipe through levee. (DWR UCIP - omagana)2/04/2010 Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe through levee, 3.43 feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located approximately 100 feet from the landside (LS) toe. Ramp is located on the LS slope. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15117, 1989 - Rio Blanco Ranch, Inc.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 3 of 3 : UCIP\_SP\_2017\_49998\_72213.jpg



Pump station located on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>5.07</b>	Rating **	M	Issue No.	<b>109</b>
LM End	<b>5.07</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.853613 °	37.853613 °	
			-121.319666 °	-121.319666 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:45998  
DS\_ID:35  
EP\_NO: 15118  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/19/2015 Erosion is still present on waterward side--wet soil along pipe alignment (where pipe section is exposed). Burrow activity is also present at this location. Recommend contacting owner to address burrow activity. 02/04/2010 Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing.  
FIELD\_STRUCT\_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989)  
FS Date: 5/19/2015

LM Start	<b>5.07</b>	Rating **	M	Issue No.	<b>109 (cont)</b>
LM End	<b>5.07</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_45998\_74483.jpg



(2015) View of waterward side--erosion at pipe daylight.

Photo 2 of 3 : UCIP\_SP\_2017\_45998\_74485.jpg



(2015) Wet ground along pipe alignment on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	5.07	Rating **	M	Issue No.	109 (cont)
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45998 DS_ID:35 EP_NO: 15118 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/2015 Erosion is still present on waterward side--wet soil along pipe alignment (where pipe seciton is exposed). Burrow activity is also present at this location. Recommend contacting owner to address burrow activity. 02/04/2010 Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing. FIELD_STRUCT_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989) FS Date: 5/19/2015					

Photo 3 of 3 : UCIP\_SP\_2017\_45998\_74484.jpg



(2015) Erosion visible on waterward side.

LM Start	5.41	Rating **	M	Issue No.	110
LM End	5.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40669					
DS_ID:36					
EP_NO: 15119					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 5.11 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landward toe. Ramp on waterward slope. (Permit No. 15119-1990). This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40669\_72239.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	5.41	Rating **	M	Issue No.	110 (cont)
LM End	5.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:40669  
DS\_ID:36  
EP\_NO: 15119  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner to determine status.  
FIELD\_STRUCT\_DESC: 16 inch diameter pipe through levee. Invert of pipe is 5.11 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landward toe. Ramp on waterward slope. (Permit No. 15119-1990). This pipe was installed during the levee work approved under encroachment number 15014.  
FS Date: 2/4/2010

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>110 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40669\_72238.jpg



View of waterward side.

Photo 3 of 3 : UCIP\_SP\_2017\_40669\_72237.jpg



Distribution box located on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	5.49	Rating **	M	Issue No.	74
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.850540 °	37.850540 °
				-121.320413 °	-121.320413 °
DWR ID	DWR_RD0017_02_s_2017_74				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.14	Rating **	M	Issue No.	111
LM End	6.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40672 DS_ID:38 EP_NO: 15121 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section at waterward toe is missing wall. Need to coordinate with owner to determine integrity of pipe section through levee. This crossing is a good candidate for video inspection to determine internal condition of pipe. FIELD_STRUCT_DESC: 2 of 2. 10 inch steel stormdrain through the levee 4.0-feet below crown. (Permit No. 15121-1991) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40672\_72270.jpg



View of pipe section on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	6.14	Rating **	M	Issue No.	111 (cont)	
LM End	6.14	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °	
				-121.320753 °	-121.320753 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40672						
DS_ID:38						
EP_NO: 15121						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe section at waterward toe is missing wall. Need to coordinate with owner to determine integrity of pipe section through levee. This crossing is a good candidate for video inspection to determine internal condition of pipe.						
FIELD_STRUCT_DESC: 2 of 2. 10 inch steel stormdrain through the levee 4.0-feet below crown. (Permit No. 15121-1991) This pipe was installed during the levee work approved under encroachment number 15014.						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40672\_72267.jpg



View of waterward side.

LM Start	<b>6.14</b>	Rating **	M	Issue No.	<b>111 (cont)</b>
LM End	<b>6.14</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40672\_72271.jpg



Pipe section inside wall has completely corroded--wall missing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	112
LM End	6.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995 °
				-121.316566 °	-121.316566 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40677					
DS_ID:40					
EP_NO: 15123					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm lose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 4.03 feet below the levee crown. Siphon breaker on waterward shoulder. Ramp on platform in channel, walkway from pump platform to waterward slope, standpipe located at landward berm toe. (Permit No. 15123-1989)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40677\_72289.jpg



View of levee crown at crossing.

LM Start	<b>6.79</b>	Rating **	M	Issue No.	<b>112 (cont)</b>
LM End	<b>6.79</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40677\_72294.jpg



Siphon breaker located on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	112 (cont)	
LM End	6.79	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.837995 °		37.837995 °
				-121.316566 °		-121.316566 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40677						
DS_ID:40						
EP_NO: 15123						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm lose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.						
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 4.03 feet below the levee crown. Siphon breaker on waterward shoulder. Ramp on platform in channel, walkway from pump platform to waterward slope, standpipe located at landward berm toe. (Permit No. 15123-1989)						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40677\_72292.jpg



View of waterward side.

LM Start	7.17	Rating **	M	Issue No.	113
LM End	7.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40679					
DS_ID:42					
EP_NO: 15077					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing.					
FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, walkway from pump platform to waterward shoulder. Standpipe located 15 feet from the landward toe. (Permit No. 15077-1989)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40679\_72307.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.17	Rating **	M	Issue No.	113 (cont)
LM End	7.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40679					
DS_ID:42					
EP_NO: 15077					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing.					
FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, walkway from pump platform to waterward shoulder. Standpipe located 15 feet from the landward toe. (Permit No. 15077-1989)					
FS Date: 2/4/2010					

LM Start	<b>7.17</b>	Rating **	M	Issue No.	<b>113 (cont)</b>
LM End	<b>7.17</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40679\_72306.jpg



CMP riser located on landward slope.

Photo 3 of 3 : UCIP\_SP\_2017\_40679\_72305.jpg



Standpipe visible on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.20	Rating **	M	Issue No.	114
LM End	7.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40680 DS_ID:43 EP_NO: 15078 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 4 inch diameter pipeline through levee. Invert of pipe is 3.22 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward berm. (Permit No. 15078-1989) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40680\_72314.jpg



Overview of levee crown at crossing.

LM Start	<b>7.20</b>	Rating **	M	Issue No.	<b>114 (cont)</b>
LM End	<b>7.20</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40680\_72313.jpg



Abandoned boat protecting pump station located on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.20	Rating **	M	Issue No.	114 (cont)	
LM End	7.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.833088 °	37.833088 °	
				-121.312676 °	-121.312676 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40680 DS_ID:43 EP_NO: 15078 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 4 inch diameter pipeline through levee. Invert of pipe is 3.22 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward berm. (Permit No. 15078-1989) FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40680\_72316.jpg



Motor located on waterward slope.

LM Start	7.43	Rating **	M	Issue No.	115
LM End	7.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40681					
DS_ID:44					
EP_NO: 15079					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: 14 inch pipeline through levee. Invert of pipe is 4.28 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landward tee. (Permit No. 15079-1990)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40681\_72325.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.43	Rating **	M	Issue No.	115 (cont)	
LM End	7.43	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °	
				-121.310915 °	-121.310915 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40681						
DS_ID:44						
EP_NO: 15079						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.						
FIELD_STRUCT_DESC: 14 inch pipeline through levee. Invert of pipe is 4.28 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landward tee. (Permit No. 15079-1990)						
FS Date: 2/4/2010						

LM Start	<b>7.43</b>	Rating **	M	Issue No.	<b>115 (cont)</b>
LM End	<b>7.43</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40681\_72328.jpg



Pipe, pump, and platform located on waterward side.

Photo 3 of 3 : UCIP\_SP\_2017\_40681\_72330.jpg



Pump station fenced off on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.44	Rating **	M	Issue No.	116
LM End	7.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830115 °	37.830115 °
				-121.310908 °	-121.310908 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40682					
DS_ID:99					
EP_NO: 17643					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine when the other 3 crossings will become online.					
FIELD_STRUCT_DESC: 36-inch steel lined and coated stormdrain pipe through the levee 2-feet below the crown. Concrete headwall on WS toe and a tidal flex valve on outlet of pipe. Structure was designed for 4 crossings however only 1 crossing is active (Permit No. 17643, 2005).					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40682\_72322.jpg



Overview of levee crown at crossing.

LM Start	<b>7.44</b>	Rating **	M	Issue No.	<b>116 (cont)</b>
LM End	<b>7.44</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40682\_72321.jpg



Relief valve located on landward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.44	Rating **	M	Issue No.	116 (cont)	
LM End	7.44	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.830115 °		37.830115 °
				-121.310908 °		-121.310908 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40682						
DS_ID:99						
EP_NO: 17643						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to coordinate with owner to determine when the other 3 crossings will become online.						
FIELD_STRUCT_DESC: 36-inch steel lined and coated stormdrain pipe through the levee 2-feet below the crown. Concrete headwall on WS toe and a tidal flex valve on outlet of pipe. Structure was designed for 4 crossings however only 1 crossing is active (Permit No. 17643, 2005).						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40682\_72320.jpg



View of waterward side.

LM Start	7.45	Rating **	M	Issue No.	117
LM End	7.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40683 DS_ID:284 EP_NO: 15079 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40683\_72333.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.45	Rating **	M	Issue No.	117 (cont)	
LM End	7.45	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.829922 °	37.829922 °	
				-121.310865 °	-121.310865 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40683						
DS_ID:284						
EP_NO: 15079						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.						
FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation.						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40683\_72332.jpg



CMP riser located on waterward shoulder.

LM Start	<b>7.45</b>	Rating **	M	Issue No.	<b>117 (cont)</b>
LM End	<b>7.45</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40683\_72335.jpg



Pipe visible on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	118
LM End	7.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.828258 °	37.828258 °
				-121.310003 °	-121.310003 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40684 DS_ID:97 EP_NO: 15080 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears no longer in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 6 inch steel irrigation pipe through the levee at 4.43-feet below crown. Pump on WS slope, siphon breaker on WS shoulder, and standpipe on LS toe (Permit No. 15080-1989). FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40684\_72340.jpg



Overview of levee crown at crossing.

LM Start	<b>7.57</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>7.57</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40684\_72342.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	118 (cont)	
LM End	7.57	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.828258 °	37.828258 °	
				-121.310003 °	-121.310003 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40684						
DS_ID:97						
EP_NO: 15080						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears no longer in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.						
FIELD_STRUCT_DESC: 6 inch steel irrigation pipe through the levee at 4.43-feet below crown. Pump on WS slope, siphon breaker on WS shoulder, and standpipe on LS toe (Permit No. 15080-1989).						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40684\_72338.jpg



Pump and pipe located on waterward slope.

LM Start	7.58	Rating **	M	Issue No.	25
LM End	7.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.828095 °	37.827920 °
				-121.309945 °	-121.309847 °
DWR ID	DWR_RD0017_02_s_2012_25				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0017\_304\_25\_20170316\_00006.jpg



Elderberry blocking view of landside slope and toe.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.71	Rating **	M	Issue No.	119
LM End	7.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40685 DS_ID:98 EP_NO: 15081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present on waterward toe underneath piles. Need to coordinate with owner to address issue on waterward side and to determine status of crossing. FIELD_STRUCT_DESC: 16 inch diameter asphalt coated and wrapped steel irrigaiton pipe through the levee 2.6-feet below the crown. Siphon breaker located on landward side. Stand pipe located at landward toe. Pump on Platform at WS toe Permit No. 15081, 1989. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40685\_72351.jpg



Overview of levee crown at pipe crossing.

LM Start	<b>7.71</b>	Rating **	M	Issue No.	<b>119 (cont)</b>
LM End	<b>7.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40685\_72350.jpg



Pipe daylight on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0017 Mosssdale

Standpipe located on levee crown.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.73	Rating **	M	Issue No.	120 (cont)	
LM End	7.73	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.826031 °	37.826031 °	
				-121.309569 °	-121.309569 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40686						
DS_ID:804						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to find any appurtenances need to coordinate with owner to obtain additional information about crossing. Standpipe appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.						
FIELD_STRUCT_DESC: Standpipe located on levee crown.						
FS Date: 2/4/2010						

Photo 2 of 2 : UCIP\_SP\_2017\_40686\_72352.jpg



View of waterward side.

LM Start	7.75	Rating **	M	Issue No.	121
LM End	7.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study		37.825857 °	37.825857 °	
			-121.309574 °	-121.309574 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40687 DS_ID:100 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumps were removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 1 of 2. 20 inch asphalt coated and wrapped steel irrigation pipe through levee 2.1-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder (Permit No. 15082, 1982). FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40687\_72357.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.75	Rating **	M	Issue No.	121 (cont)	
LM End	7.75	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.825857 °		37.825857 °
				-121.309574 °		-121.309574 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40687 DS_ID:100 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumps were removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 1 of 2. 20 inch asphalt coated and wrapped steel irrigation pipe through levee 2.1-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder (Permit No. 15082, 1982). FS Date: 2/4/2010						

LM Start	<b>7.75</b>	Rating **	M	Issue No.	<b>121 (cont)</b>
LM End	<b>7.75</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40687\_72356.jpg



View of waterward side--no pumps present anymore.

Photo 3 of 3 : UCIP\_SP\_2017\_40687\_72358.jpg



Conduit lines present on waterward side--no connection.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.75	Rating **	M	Issue No.	122
LM End	7.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40688					
DS_ID:288					
EP_NO: 15082					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump was removed and no power connection visible.					
Crossing appears abandoned. If crossing is no longer in use owner will					
need to coordinate with DWR inspector and CVFPB to remove					
according to Title 23 requirements. Unable to determine if crossing is in					
use.					
FIELD_STRUCT_DESC: 2 of 2. 16- inch asphalt coated and wrapped					
steel irrigation pipe through levee 2.6-feet below the crown. Pump					
missing from platform on waterward side. Siphon breaker inside 24-inch					
CMP riser on LS shoulder. 1.5-inch galvanized iron electrical conduit at					
same location (Permit No. 15082, 1982).					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40688\_72361.jpg



View of pipe on waterward side.

LM Start	<b>7.75</b>	Rating **	M	Issue No.	<b>122 (cont)</b>
LM End	<b>7.75</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40688\_72360.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.75	Rating **	M	Issue No.	122 (cont)
LM End	7.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40688 DS_ID:288 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 2 of 2. 16- inch asphalt coated and wrapped steel irrigation pipe through levee 2.6-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder. 1.5-inch galvanized iron electrical conduit at same location (Permit No. 15082, 1982). FS Date: 2/4/2010					

Photo 3 of 3 : UCIP\_SP\_2017\_40688\_72359.jpg



Conduits visible on waterward side--no connection.

LM Start	7.89	Rating **	M	Issue No.	123
LM End	7.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40689					
DS_ID:805					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder.					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40689\_72367.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	7.89	Rating **	M	Issue No.	123 (cont)	
LM End	7.89	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.823987 °		37.823987 °
				-121.309841 °		-121.309841 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40689 DS_ID:805 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder. FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40689\_72366.jpg



View of landward side.

LM Start	<b>7.89</b>	Rating **	M	Issue No.	<b>123 (cont)</b>
LM End	<b>7.89</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40689\_72369.jpg



CMP riser located on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	8.05	Rating **	M	Issue No.	77
LM End	8.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.824447 °	37.821220 °
				-121.312692 °	-121.319048 °
DWR ID	DWR_RD0017_02_s_2017_77				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	<b>8.99</b>	Rating **	U	Issue No.	<b>124</b>
LM End	<b>8.99</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.818123 °	37.818123 °	
			-121.314272 °	-121.314272 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49999  
DS\_ID:285  
EP\_NO: 15083  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as last inspection--WS pipe section deteriorated. Per Rick Toy, KSN-District Engineer, this crossing is currently owned by the City of Lathrop. Need to coordinate with the City of Lathrop to submit name change to the CVFPB and for the City to provide future use for this crossing. Recommend internal integrity inspection of section of the pipe through the levee. (DWR UCIP - omagana)5/21/2015 Pipe is still in same condition. Need to contact KSN, LMA engineering firm, to determine update on crossing. (DWR UCIP - omagana)2/04/2010 Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 2 of 2. 12-inch irrigation pipe through levee, 2.69 feet below crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located in the irrigation ditch approximately 50 feet from landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15083, 1989 - I. N. Robinson, Jr.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 1 of 3 : UCIP\_SP\_2017\_49999\_75741.jpg



View of WS.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	8.99	Rating **	U	Issue No.	124 (cont)
LM End	8.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:49999  
DS\_ID:285  
EP\_NO: 15083  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as last inspection--WS pipe section deteriorated. Per Rick Toy, KSN-District Engineer, this crossing is currently owned by the City of Lathrop. Need to coordinate with the City of Lathrop to submit name change to the CVFPB and for the City to provide future use for this crossing. Recommend internal integrity inspection of section of the pipe through the levee. (DWR UCIP - omagana)5/21/2015 Pipe is still in same condition. Need to contact KSN, LMA engineering firm, to determine update on crossing. (DWR UCIP - omagana)2/04/2010 Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 2 of 2. 12-inch irrigation pipe through levee, 2.69 feet below crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located in the irrigation ditch approximately 50 feet from landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15083, 1989 - I. N. Robinson, Jr.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 2 of 3 : UCIP\_SP\_2017\_49999\_75740.jpg



WS-pipe still damage, pipe wall section missing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	8.99	Rating **	U	Issue No.	124 (cont)
LM End	8.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:49999  
DS\_ID:285  
EP\_NO: 15083  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/12/2016 Same as last inspection--WS pipe section deteriorated. Per Rick Toy, KSN-District Engineer, this crossing is currently owned by the City of Lathrop. Need to coordinate with the City of Lathrop to submit name change to the CVFPB and for the City to provide future use for this crossing. Recommend internal integrity inspection of section of the pipe through the levee. (DWR UCIP - omagana)5/21/2015 Pipe is still in same condition. Need to contact KSN, LMA engineering firm, to determine update on crossing. (DWR UCIP - omagana)2/04/2010 Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 2 of 2. 12-inch irrigation pipe through levee, 2.69 feet below crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located in the irrigation ditch approximately 50 feet from landside (LS) toe. Pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014. (Permit No. 15083, 1989 - I. N. Robinson, Jr.; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17) [Additional Reference(s): DWR Levee Log, 1981 and 2003]  
FS Date: 7/12/2016

Photo 3 of 3 : UCIP\_SP\_2017\_49999\_75738.jpg



WS shoulder--protective housing units for siphon breakers.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	9.09	Rating **	M	Issue No.	125
LM End	9.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816767 °	37.816767 °
				-121.314681 °	-121.314681 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45453 DS_ID:48 EP_NO: 15084 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine disposition of pipe. No record of removal has been found and status of crossing needs to be determined. FIELD_STRUCT_DESC: 8 inch diameter pipe through levee. Invert of pipe is 3.47 feet below levee crown. (Siphon breaker on landward shoulder. Slant pump on waterward slope, concrete stairway from pump to waterward shoulder, standpipe located 20 feet from the landward toe): Not found. Only indicator is a 1.5-inch PVC electrical conduit visible on WS slope 6-feet below the crown. (Permit No. 15084-1989) FS Date: 5/21/2015					

LM Start	<b>9.09</b>	Rating **	M	Issue No.	<b>125 (cont)</b>
LM End	<b>9.09</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_45453\_74112.jpg



Electrical conduit only appurtanance found on WS slope.

Photo 2 of 2 : UCIP\_SP\_2017\_45453\_74113.jpg



1.5-inch electrical conduit only appurtanance still visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	9.29	Rating **	M	Issue No.	9
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815270 °	37.815270 °
				-121.317692 °	-121.317692 °
DWR ID	DWR_RD0017_02_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Bamboo & elderberries at landside toe.					

Photo 1 of 1 : SP\_2017\_RD0017\_304\_9\_20170316\_00005.jpg



Looking east at bamboo and elderberries at landward toe.

LM Start	10.08	Rating **	M	Issue No.	78
LM End	10.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.809227 °	37.809227 °
				-121.323020 °	-121.323020 °
DWR ID	DWR_RD0017_02_s_2017_78				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	10.64	Rating **	M	Issue No.	80
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805787 °	37.805787 °
				-121.322022 °	-121.322022 °
DWR ID	DWR_RD0017_02_s_2015_80				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.31	Rating **	M	Issue No.	126
LM End	11.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40695					
DS_ID:51					
EP_NO: 15055					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert pipe is 3.91 feet below levee crown. Siphon breaker on landward shoulder. Slant pump on waterward slope, standpipe located 11 feet from the landward toe. (Permit No. 15055-1989)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40695\_72420.jpg



Overview of levee crown at crossing.

LM Start	11.31	Rating **	M	Issue No.	126 (cont)
LM End	11.31	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40695\_72418.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.31	Rating **	M	Issue No.	126 (cont)
LM End	11.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40695 DS_ID:51 EP_NO: 15055 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert pipe is 3.91 feet below levee crown. Siphon breaker on landward shoulder. Slant pump on waterward slope, standpipe located 11 feet from the landward toe. (Permit No. 15055-1989) FS Date: 2/4/2010					

Photo 3 of 3 : UCIP\_SP\_2017\_40695\_72421.jpg



Slant pump located on waterward side.

LM Start	11.35	Rating **	M	Issue No.	127
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802921 °	37.802921 °
				-121.311947 °	-121.311947 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40696 DS_ID:103 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--Need to contact owner. FIELD_STRUCT_DESC: 1 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40696\_72440.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	127 (cont)	
LM End	11.35	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.802921 °		37.802921 °
				-121.311947 °		-121.311947 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40696						
DS_ID:103						
EP_NO: 17792						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Surface erosion on waterward slope--Need to contact owner.						
FIELD_STRUCT_DESC: 1 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005)						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40696\_72448.jpg



View of waterward side geotech fabric damage along slope.

LM Start	11.35	Rating **	M	Issue No.	127 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40696\_72449.jpg



Concrete headwall and gates located on waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	128
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802904 °	37.802904 °
				-121.311946 °	-121.311946 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40697					
DS_ID:473					
EP_NO: 17792					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope--need to contact owner.					
FIELD_STRUCT_DESC: 2 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40697\_72452.jpg



Overview of levee crown at crossings.

LM Start	<b>11.35</b>	Rating **	M	Issue No.	<b>128 (cont)</b>
LM End	<b>11.35</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40697\_72453.jpg



Geotech fabric damage along waterward berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	128 (cont)	
LM End	11.35	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.802904 °		37.802904 °
				-121.311946 °		-121.311946 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40697 DS_ID:473 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 2 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40697\_72450.jpg



Surface erosion visible on waterward berm edge.

LM Start	11.35	Rating **	M	Issue No.	129
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802889 °	37.802889 °
				-121.311947 °	-121.311947 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40698 DS_ID:474 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 3 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40698\_72475.jpg



Overview of levee crown at crossings.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	129 (cont)	
LM End	11.35	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.802889 °		37.802889 °
				-121.311947 °		-121.311947 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40698						
DS_ID:474						
EP_NO: 17792						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Surface erosion on waterward slope--need to contact owner.						
FIELD_STRUCT_DESC: 3 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005)						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40698\_72477.jpg



View of waterward side.

LM Start	<b>11.35</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>11.35</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40698\_72474.jpg



Outlet structure located on waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	130
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802869 °	37.802869 °
				-121.311948 °	-121.311948 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40699 DS_ID:475 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 4 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

LM Start	11.35	Rating **	M	Issue No.	130 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_40699\_72458.jpg



City of Lathrop Stormwater Pump Station 112.

Photo 2 of 3 : UCIP\_SP\_2017\_40699\_72457.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	130 (cont)	
LM End	11.35	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.802869 °		37.802869 °
				-121.311948 °		-121.311948 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40699						
DS_ID:475						
EP_NO: 17792						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Surface erosion on waterward slope--need to contact owner.						
FIELD_STRUCT_DESC: 4 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005)						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40699\_72456.jpg



Overview of levee crown at crossings.

LM Start	11.35	Rating **	M	Issue No.	131
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802854 °	37.802854 °
				-121.311948 °	-121.311948 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40700 DS_ID:476 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 5 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40700\_72462.jpg



Overview of levee crown at crossings.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	131 (cont)	
LM End	11.35	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.802854 °	37.802854 °	
				-121.311948 °	-121.311948 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40700 DS_ID:476 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 5 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40700\_72467.jpg



View of waterward side.

LM Start	<b>11.35</b>	Rating **	M	Issue No.	<b>131 (cont)</b>
LM End	<b>11.35</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40700\_72465.jpg



Surface erosion on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	132
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802837 °	37.802837 °
				-121.311949 °	-121.311949 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40701 DS_ID:477 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 6 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

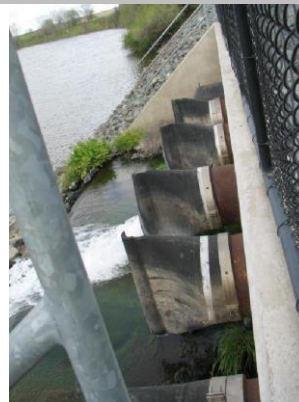
Photo 1 of 3 : UCIP\_SP\_2017\_40701\_72470.jpg



Overview of levee crown at crossings.

LM Start	11.35	Rating **	M	Issue No.	132 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40701\_72469.jpg



Outlet concrete headwall and gates on waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0017 Mosssdale

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.43	Rating **	M	Issue No.	133 (cont)	
LM End	11.43	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.801683 °	37.801683 °	
				-121.312001 °	-121.312001 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:45463 DS_ID:53 EP_NO: 15125 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned as vent is partially burried and pipe not visilbe. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: *REMOVED* 7 inch diameter pipe through the levee 3.59-feet below levee crown. Siphon breaker located on landward shoulder. Air vent found on WS slope (Permit No. 15125-1989). FS Date: 5/21/2015						

Photo 2 of 3 : UCIP\_SP\_2017\_45463\_74121.jpg



Vent visible on WS slope. Found partially burried.

LM Start	<b>11.43</b>	Rating **	M	Issue No.	<b>133 (cont)</b>
LM End	<b>11.43</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_45463\_74120.jpg



LS slope. No indication of pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	11.63	Rating **	M	Issue No.	134
LM End	11.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.798766 °	37.798766 °
				-121.312135 °	-121.312135 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45716 DS_ID:286 EP_NO: 15053 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 8-inch diameter pipe through levee. Invert of pipe is 4.33 feet below levee crown. Siphon breaker on waterward shoulder. Pump on waterward berm, standpipe at bottom of direct approach ramp. (Permit No.15053-1990) FS Date: 3/25/2010					

No Photos

LM Start	12.14	Rating **	M	Issue No.	135
LM End	12.14	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40702					
DS_ID:806					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.					
FIELD_STRUCT_DESC: *REMOVED* 20-inch Steel drain pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on WS shoulder and a flap gate on the WS toe Permit No. 3799, 1961. Pipe removed under Permit No. 15318, 1989. Drainage or Irrigation Structure referenced in O&M manual (HLM 12.16). (USACE O&M, 1963)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40702\_72481.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	135 (cont)	
LM End	12.14	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.793831 °	37.793831 °	
				-121.305989 °	-121.305989 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40702						
DS_ID:806						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If cossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.						
FIELD_STRUCT_DESC: *REMOVED* 20-inch Steel drain pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on WS shoulder and a flap gate on the WS toe Permit No. 3799, 1961. Pipe removed under Permit No. 15318, 1989. Drainage or Irrigation Structure referenced in O&M manual (HLM 12.16). (USACE O&M, 1963)						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40702\_72480.jpg



View of waterward side.

LM Start	<b>12.14</b>	Rating **	M	Issue No.	<b>135 (cont)</b>
LM End	<b>12.14</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40702\_72483.jpg



Dense vegetation along waterward slope--abandoned electrical box is visible through dense vegetation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	136
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45464 DS_ID:56 EP_NO: 15318 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossings appears to be abandoned. Need to contact owner to determine status of crossing. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: 20 inch diameter steel storm drain discharge pipeline through levee 3.4-feet below levee crown. Air vent in 12-inch steel riser found on the landward shoulder. Electric service riser on waterward berm has been removed, Permit No. 15318, 1989. FS Date: 5/21/2015					

Photo 1 of 3 : UCIP\_SP\_2017\_45464\_74125.jpg



Vent in steel riser on LS shoulder.

LM Start	12.14	Rating **	M	Issue No.	136 (cont)
LM End	12.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_45464\_74124.jpg



View of LS at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	136 (cont)
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45464 DS_ID:56 EP_NO: 15318 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossings appears to be abandoned. Need to contact owner to determine status of crossing. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: 20 inch diameter steel storm drain discharge pipeline through levee 3.4-feet below levee crown. Air vent in 12-inch steel riser found on the landward shoulder. Electric service riser on waterward berm has been removed, Permit No. 15318, 1989. FS Date: 5/21/2015					

Photo 3 of 3 : UCIP\_SP\_2017\_45464\_74123.jpg



View of WS at crossing.

LM Start	12.14	Rating **	M	Issue No.	137
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40703 DS_ID:799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 1 of 2. 48-inch steel drainage pipe through the levee 2.5-feet below the crown. Siphon breaker on LS shoulder. Concrete "U" shaped headwall on WS toe with flap gate (Permit No. 15845, 1993). 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40703\_72487.jpg



Overview of levee crown at crossings.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	137 (cont)	
LM End	12.14	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.793779 °		37.793779 °
				-121.305984 °		-121.305984 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40703						
DS_ID:799						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date).						
FIELD_STRUCT_DESC: 1 of 2. 48-inch steel drainage pipe through the levee 2.5-feet below the crown. Siphon breaker on LS shoulder.						
Concrete "U" shaped headwall on WS toe with flap gate (Permit No. 15845, 1993). 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover.						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40703\_72485.jpg



View of landward side, photo 1 of 2.

LM Start	<b>12.14</b>	Rating **	M	Issue No.	<b>137 (cont)</b>
LM End	<b>12.14</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40703\_72486.jpg



View of landward side, photo 2 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 0017 Mosssdale

LM Start	<b>12.14</b>	Rating **	M	Issue No.	<b>138 (cont)</b>
LM End	<b>12.14</b>	Issue Type +	En	Location *	LS



Photo 2 of 3 : UCIP\_SP\_2017\_45993\_72495.jpg



View of waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	138 (cont)
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45993 DS_ID:800 EP_NO: 15845 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 2 of 2. 12 inch drainage pipe through levee at unknown depth. Concrete "U" wall located on waterward side. Flap gate on waterward side. 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. Seepage berm located on landward side. FS Date: 2/4/2010					

Photo 3 of 3 : UCIP\_SP\_2017\_45993\_72498.jpg



8-4 inch steel coated schedule 40 pipes with about 6 inch of cover.

LM Start	12.41	Rating **	M	Issue No.	139
LM End	12.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40706 DS_ID:807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe disconnected on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: 8 inch pipe through levee 3.2-feet below the crown. Pump on WS toe and a siphon breaker on the LS shoulder (Permit No. 15049, 1989). Permit was for 6-inch pipe. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40706\_72509.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.41	Rating **	M	Issue No.	139 (cont)	
LM End	12.41	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °	
				-121.306853 °	-121.306853 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40706						
DS_ID:807						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe disconnected on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.						
FIELD_STRUCT_DESC: 8 inch pipe through levee 3.2-feet below the crown. Pump on WS toe and a siphon breaker on the LS shoulder (Permit No. 15049, 1989). Permit was for 6-inch pipe.						
FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40706\_72511.jpg



View of waterward toe--rip rap along pipe alignment.

LM Start	<b>12.41</b>	Rating **	M	Issue No.	<b>139 (cont)</b>
LM End	<b>12.41</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40706\_72512.jpg



Non-functional crossing pipe disconnected.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.55	Rating **	M	Issue No.	140
LM End	12.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40707					
DS_ID:60					
EP_NO: 14326					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 4 inch diameter communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (Permit No. 14326-1986)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40707\_72515.jpg



Overview of levee crown at crossing.

LM Start	12.55	Rating **	M	Issue No.	140 (cont)
LM End	12.55	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40707\_72514.jpg



Crossing alignment along landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.55	Rating **	M	Issue No.	140 (cont)	
LM End	12.55	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.787929 °		37.787929 °
				-121.307173 °		-121.307173 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40707						
DS_ID:60						
EP_NO: 14326						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: 4 inch diameter communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (Permit No. 14326-1986)						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40707\_72513.jpg



Conduit marker on landward side.

LM Start	12.68	Rating **	M	Issue No.	141
LM End	12.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786343 °	37.786343 °
				-121.306157 °	-121.306157 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45466					
DS_ID:808					
EP_NO: 2366					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe exposed on WS slope where soil has been removed from around pipe. There does not appear to be any damage or repair at excavation. Pipe should be buried.					
FIELD_STRUCT_DESC: 22-inch diameter steel stormdrain pipe through the levee 10-feet below levee crown. 54-inch square, concrete manhole at the centerline of the levee between Manthey Road and the HWY 120 onramp to I-5. (Order of the Board No. 2366-1956) (Pipe listed as 22-inch in Permit).					
FS Date: 5/21/2015					

Photo 1 of 3 : UCIP\_SP\_2017\_45466\_72523.jpg



Pipe was running during field inspection.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	12.68	Rating **	M	Issue No.	141 (cont)	
LM End	12.68	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.786343 °	37.786343 °	
				-121.306157 °	-121.306157 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:45466						
DS_ID:808						
EP_NO: 2366						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe exposed on WS slope where soil has been removed from around pipe. There does not appear to be any damage or repair at excavation. Pipe should be buried.						
FIELD_STRUCT_DESC: 22-inch diameter steel stormdrain pipe through the levee 10-feet below levee crown. 54-inch square, concrete manhole at the centerline of the levee between Manthey Road and the HWY 120 onramp to I-5. (Order of the Board No. 2366-1956) (Pipe listed as 22-inch in Permit).						
FS Date: 5/21/2015						

LM Start	<b>12.68</b>	Rating **	M	Issue No.	<b>141 (cont)</b>
LM End	<b>12.68</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_45466\_74131.jpg



Concrete manhole on WS shoulder.

Photo 3 of 3 : UCIP\_SP\_2017\_45466\_74130.jpg



Pipe exposed in excavated area on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.26	Rating **	M	Issue No.	142
LM End	13.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779653 °	37.779653 °
				-121.300064 °	-121.300064 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40712					
DS_ID:65					
EP_NO: 14450					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985)					
FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40712\_72529.jpg



View of landward side.

LM Start	<b>13.26</b>	Rating **	M	Issue No.	<b>142 (cont)</b>
LM End	<b>13.26</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40712\_72528.jpg



Pipe section exposed on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.26	Rating **	M	Issue No.	142 (cont)	
LM End	13.26	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.779653 °	37.779653 °	
				-121.300064 °	-121.300064 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40712						
DS_ID:65						
EP_NO: 14450						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985)						
FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40712\_72530.jpg



View of waterward slope.

LM Start	13.26	Rating **	M	Issue No.	143
LM End	13.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40713 DS_ID:287 EP_NO: 14450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 2 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40713\_72534.jpg



Precast concrete box located on levee shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.26	Rating **	M	Issue No.	143 (cont)
LM End	13.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40713 DS_ID:287 EP_NO: 14450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 2 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985) FS Date: 2/4/2010					

Photo 2 of 3 : UCIP\_SP\_2017\_40713\_72533.jpg



Pipes visible on waterward side.

LM Start	13.26	Rating **	M	Issue No.	143 (cont)
LM End	13.26	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40713\_72537.jpg



Sections of protective wrap missing near waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.27	Rating **	M	Issue No.	144
LM End	13.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40714 DS_ID:66 EP_NO: 14467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records show this crossing was suppose to be abandoned however, the drain pipe was operable during site visit. Need to contact owner to clarify if crossing that was abandoned was removed and replaced with current crossing. FIELD_STRUCT_DESC: 36 inch concrete discharge gravity municipal waterwater discharge through levee approximatley 23 feet below crown. The reinforced concrete outfall structure with sluice gate will be constructed within the pipeline at the waterward levee shoulder. (Permit No. 14467-1986) FS Date: 2/4/2010					

LM Start	<b>13.27</b>	Rating **	M	Issue No.	<b>144 (cont)</b>
LM End	<b>13.27</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_40714\_72545.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2017\_40714\_72539.jpg



Control box and distribution box located on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.27	Rating **	M	Issue No.	144 (cont)	
LM End	13.27	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °	
				-121.299981 °	-121.299981 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40714 DS_ID:66 EP_NO: 14467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records show this crossing was suppose to be abandoned however, the drain pipe was operable during site visit. Need to contact owner to clarify if crossing that was abandoned was removed and replaced with current crossing. FIELD_STRUCT_DESC: 36 inch concrete discharge gravity municipal waterwater discharge through levee approximatley 23 feet below crown. The reinforced concrete outfall structure with sluice gate will be constructed within the pipeline at the waterward levee shoulder. (Permit No. 14467-1986) FS Date: 2/4/2010						

Photo 3 of 3 : UCIP\_SP\_2017\_40714\_72542.jpg



View of waterward side.

LM Start	13.28	Rating **	M	Issue No.	145
LM End	13.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45995 DS_ID:67 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers visible on landward side only. Recommend contacting owner to confirm alignment and crossing. FIELD_STRUCT_DESC: Submarine power cable through the levee and across the channel. FS Date: 2/4/2010					

Photo 1 of 2 : UCIP\_SP\_2017\_45995\_72526.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.28	Rating **	M	Issue No.	145 (cont)
LM End	13.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45995 DS_ID:67 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers visible on landward side only. Recommend contacting owner to confirm alignment and crossing. FIELD_STRUCT_DESC: Submarine power cable through the levee and across the channel. FS Date: 2/4/2010					

Photo 2 of 2 : UCIP\_SP\_2017\_45995\_72525.jpg



Markers visible along landward side.

LM Start	13.28	Rating **	M	Issue No.	146
LM End	13.28	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40715 DS_ID:809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* 18-inch pipe through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterward slope. Flap gate on the waterward end. One CM cutoff wall (Reclamation District No. 17 Drainage Plant). Pump on the landward side. Installed by USCE 1961. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.36). (USACE O&M, 1963). Welded Steel plate installed over one end of pipe under Permit No. 14450, 1988. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP\_SP\_2017\_40715\_72548.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	13.28	Rating **	M	Issue No.	146 (cont)	
LM End	13.28	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °	
				-121.299954 °	-121.299954 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40715 DS_ID:809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* 18-inch pipe through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterward slope. Flap gate on the waterward end. One CM cutoff wall (Reclamation District No. 17 Drainage Plant). Pump on the landward side. Installed by USCE 1961. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.36). (USACE O&M, 1963). Welded Steel plate installed over one end of pipe under Permit No. 14450, 1988. FS Date: 2/4/2010						

Photo 2 of 3 : UCIP\_SP\_2017\_40715\_72551.jpg



View of waterward side, photo 1 of 2.

LM Start	13.28	Rating **	M	Issue No.	146 (cont)
LM End	13.28	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_40715\_72549.jpg



View of waterward side, photo 2 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	14.20	Rating **	M	Issue No.	147
LM End	14.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.772267 °	37.772267 °
				-121.290202 °	-121.290202 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40716 DS_ID:69 EP_NO: 15165 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe. FIELD_STRUCT_DESC: 20-inch pipe through the levee, 1.7-feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landward slope. (Permit No. 15165-1989) FS Date: 2/4/2010					

LM Start	<b>14.20</b>	Rating **	M	Issue No.	<b>147 (cont)</b>
LM End	<b>14.20</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_40716\_72557.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2017\_40716\_72556.jpg



Pipe operable during survey.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/29/2017 03/29/2017	Richard Willoughby

LM Start	14.20	Rating **	M	Issue No.	147 (cont)	
LM End	14.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.772267 °		37.772267 °
				-121.290202 °		-121.290202 °
DWR ID						
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Photo 3 of 3 : UCIP\_SP\_2017\_40716\_72555.jpg



Scour hole located immediately upstream from crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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